VOLUME 45

LIST OF CONTENTS

Number 1

Variance and Dissent

Steven S. Coughlin, Bruce Trock, Michael H. Criqui, Linda W. Pickle, Deirdre Browner and **Mariella C. Tefft** — 1 Presentation: The logistic modeling of sensitivity, specificity, and predictive value of a diagnostic test

George A. Diamond — 9 Dissent: Clinical epistemology of sensitivity and specificity

Steven S. Coughlin, Bruce Trock, Michael H. Criqui, Linda W. Pickle, Deirdre Browner and **Mariella C. Tefft** — 15 Response: Dr Diamond's "Clinical epistemology of sensitivity and specificity"

Commentary

Thomas E. Kottke — 17 The "Intervention Index": insufficient information

Original Articles

Richard Rothenberg, Earl S. Ford and **Erkki Vartiainen** — 21 Ischemic heart disease prevention: estimating the impact of interventions

N. F. Boyd, M. Cousins and **V. Kriukov** — 31 A randomized controlled trial of dietary fat reduction: the retention of subjects and characteristics of drop outs

Nobuo Nishi, Noriyuki Nakanishi, Kenji Kuroda, Katsumi Koizumi, Junichi Yoshikawa and **Kozo Tatara** — 39 Relationships of site of infarction and history of previous infarction with short- and long-term prognosis after acute myocardial infarction in Japan

Mark B. Bromberg, Eva L. Feldman, Safwan Jaradeh and **James W. Albers** — 47 Prognosis in long-term immunosuppressive treatment of refractory chronic inflammatory demyelinating polyradiculoneuropathy

Harold Smulyan, Sakti Mookherjee, Harvey A. Taub and **Robert A. Warner** — 53 An analysis of symptoms in patients with permanent ventricular pacemakers

Mona Baumgarten, Renaldo N. Battista, Claire Infante-Rivard, James A. Hanley, Rubin Becker and **Serge Gauthier** — 61 The psychological and physical health of family members caring for an elderly person with dementia

Janet Bishop, John Carlin and **Terry Nolan** — 71 Evaluation of the properties and reliability of a clinical severity scale for acute asthma in children

Manfred S. Green, Israela Peled and **Theodore Najenson** — 77 Gender differences in platelet count and its association with cigarette smoking in a large cohort in Israel

Commentary

George A. Diamond — 85 What price perfection? Calibration and discrimination of clinical prediction models

Erratum — 91

Number 2

Original Articles

Anne M. Damiano, Marilyn Bergner, Elizabeth A. Draper, William A. Knaus and **Douglas P. Wagner** — 93 Reliability of a measure of severity of illness: acute physiology of chronic health evaluation—II

Lucien Abenhaim, William Dab and **L. Rachid Salmi** — 103 Study of civilian victims of terrorist attacks (France 1982–1987)

Alfredo Morabia, Jean Fabre and **Jean-Philippe Dunand** — 111 The influence of patient and physician gender on prescription of psychotropic drugs

Steven L. Shepherd, Melbourne F. Hovell, Donald J. Slymen, Ivan R. Harwood, C. Richard Hofstetter, Laura E. Granger and **Robert M. Kaplan** 117 Functional status as an overall measure of health in adults with cystic fibrosis: further validation of a generic health measure

Leigh F. Callahan, Daniel A. Bloch and **Theodore Pincus** 127 Identification of work disability in rheumatoid arthritis: physical, radiographic and laboratory variables do not add explanatory power to demographic and functional variables

Marian T. Hannan, Jennifer J. Anderson, Theodore Pincus and **David T. Felson** 139 Educational attainment and osteoarthritis: differential associations with radiographic changes and symptom reporting

Rekha Garg, Jennifer H. Madans and **Joel C. Kleinman** 149 Regional variation in ischemic heart disease incidence

Vinjar Fønnebø 157 Mortality in Norwegian Seventh-Day Adventists 1962–1986

Frederick N. Brand, Dan K. Kiely, William B. Kannel and **Richard H. Myers** 169 Family patterns of coronary heart disease mortality: the Framingham Longevity Study

John P. Hirdes and **William F. Forbes** 175 The importance of social relationships, socioeconomic status and health practices with respect to mortality among healthy Ontario males

Letters to the Editors

David L. Chin 183 The effectiveness of Dabao®

Alphons G. H. Kessels and **Paul G. Knipschild** 183 Response

Giovanni Apolone, Guido Bertolini and **Alessandro Liberati** 184 Cancer staging may have different meanings, but functional status too

E. Robert Greenberg, John A. Baron, Bradley J. Dain, Daniel H. Freeman, Jerome W. Yates and **Roy Korson** 185 Response

PHARMACOEPIDEMIOLOGY REPORTS

Alexander M. Walker, Kin-Wei A. Chan and **Robert A. Yood** 187 Patterns of interchange in the dispensing of non-steroidal anti-inflammatory drugs

Michael Von Korff, Edward H. Wagner and **Kathleen Saunders** 197 A Chronic Disease Score from automated pharmacy data

Number 3

Editorial

T. Franklin Williams 205 Serum albumin, aging and disease

Original Articles

Hillary Klonoff-Cohen, Elizabeth L. Barrett-Connor and **Sharon L. Edelstein** 207 Albumin levels as a predictor of mortality in the healthy elderly

Marcel E. Salive, Joan Cornoni-Huntley, Caroline L. Phillips, Jack M. Guralnik, Harvey J. Cohen, Adrian M. Ostfeld and **Robert B. Wallace** 213 Serum albumin in older persons: relationship with age and health status

Theodor D. Sterling, Wilfred L. Rosenbaum and **James J. Weinkam** 223 Analysis of the relationship between smokeless tobacco and cancer based on data from the National Mortality Followback Survey

David C. Hadorn, Ron D. Hays, John Uebersax and **Theresa Hauber** 233 Improving task comprehension in the measurement of health state preferences. A trial of informational cartoon figures and a paired-comparison task

Randall A. Coates, Vernon T. Farewell, Janet Raboud, Stanley E. Read, Michel Klein, Douglas K. MacFadden, Liviana M. Calzavara, J. Kenneth Johnson, Mary M. Fanning and **Frances A. Shepherd** 245 Using serial observations to identify predictors of progression to AIDS in the Toronto Sexual Contact Study

Allan S. Detsky, C. David Naylor, Keith O'Rourke, Allison J. McGeer and Kristan A. L'Abbé 255 Incorporating variations in the quality of individual randomized trials into meta-analysis

E. Monnet, M. C. Boutron, P. Arveux, C. Milan and J. Faivre 267 Different multiple regression models for estimating survival: use in a population-based series of colorectal cancers

Diane E. Bild and John M. Stevenson 275 Frequency of recording of diabetes on U.S. death certificates: analysis of the 1986 National Mortality Followback Survey

Pascale Tubert, Bernard Bégaud, Jean-Charles Péré, Françoise Haramburu and Joseph Lellouch 283 Power and weakness of spontaneous reporting: a probabilistic approach

Po-Huang Chyou, Abraham M. Y. Nomura, Grant N. Stemmermann and Ikuko Kato 287 Prospective study of serum cholesterol and site-specific cancers

Edith J. M. Feskens, Carel H. Bowles and Daan Kromhout 293 A longitudinal study on glucose tolerance and other cardiovascular risk factors: associations within an elderly population

Valerie A. Lawrence, Peter Tugwell, Amiram Gafni, Weerachai Kosuwon and Walter O. Spitzer 301 Acute low back pain and economics of therapy: the iterative loop approach

PHARMACOEPIDEMIOLOGY REPORT

Ulf Bergman 313 Pharmacoepidemiological perspectives

Number 4

Original Articles

Francesca Meneghini, Walter A. Rocca, Dallas W. Anderson, Francesco Grigoletto, Letterio Morgante, Arturo Reggio, Giovanni Savettieri and Raoul Di Perri 319 Validating screening instruments for neuroepidemiologic surveys: experience in Sicily

John W. Frank, Dwayne M. Reed, John S. Grove and Richard Benfante 333 Will lowering population levels of serum cholesterol affect total mortality? Expectations from the Honolulu Heart Program

Maria Grazia Valsecchi 347 Modelling the relative risk of esophageal cancer in a case–control study

L. E. Nicolle, S. A. Huchcroft and P. J. E. Cruse 357 Risk factors for surgical wound infection among the elderly

Louise J. Gunning-Schepers and Jan J. Barendregt 365 Timeless epidemiology or history cannot be ignored

M. C. T. F. M. de Krom, P. G. Knipschild, A. D. M. Kester, C. T. Thijs, P. F. Boekkooi and F. Spaans 373 Carpal tunnel syndrome: prevalence in the general population

Savitri Ramcharan, Edgar J. Love, Gordon H. Fick and Alan Goldfien 377 The epidemiology of premenstrual symptoms in a population-based sample of 2650 urban women: attributable risk and risk factors

Laurel A. Beckett, Paul A. Scherr and Denis A. Evans 393 Population prevalence estimates from complex samples

Molly L. Osborne, William M. Vollmer and A. Sonia Buist 403 Diagnostic accuracy of asthma within a health maintenance organization

Lillian M. Sonnenberg, Barbara M. Posner, Albert J. Belanger, L. Adrienne Cupples and Ralph B. D'Agostino 413 Dietary predictors of serum cholesterol in men: the Framingham cohort population

Gustavo A. Arraiz, Donald T. Wigle and Yang Mao 419 Risk assessment of physical activity and physical fitness in the Canada Health Survey Mortality Follow-up Study

PHARMACOEPIDEMIOLOGY REPORTS

Original Article

D. Isacson, K. Carsjö, U. Bergman and **J. L. Blackburn** — 429 Long-term use of benzodiazepines in a Swedish community: an eight-year follow-up

Book Review — 437

Number 5

Commentary

Bruce Arroll and **Robert Beaglehole** — 439 Does physical activity lower blood pressure: a critical review of the clinical trials

Original Articles

James J. Schlesselman, Bruce V. Stadel, Mieko Korper, Wei Yu and **Phyllis A. Wingo** — 449 Breast cancer detection in relation to oral contraception

Guy B. Marks, Stewart M. Dunn and **Ann J. Woolcock** — 461 A scale for the measurement of quality of life in adults with asthma

Patricia A. Ganz, J. Jack Lee, Myung-Shin Sim, Margaret L. Polinsky and **C. Anne Coscarelli Schag** — 473 Exploring the influence of multiple variables on the relationship of age to quality of life in women with breast cancer

Jane L. Valentine, Shan-Yuan He, Lesley S. Reisbord and **Peter A. Lachenbruch** — 487 Health response by questionnaire in arsenic-exposed populations

A. Hillary Steinhart, Keith O'Rourke, Bruce G. Wolff and **Robin S. McLeod** — 495 Application of a stopping rule based on total treatment failures: the Postoperative Crohn's Disease Trial

John C. Hornberger, Donald A. Redelmeier and **Jeffrey Petersen** — 505 Variability among methods to assess patients' well-being and consequent effect on a cost-effectiveness analysis

Tom Baranowski, George T. Bryan, Joel A. Harrison, David K. Rassin, Kathryn A. Greaves and **Janice H. Baranowski** — 513 Height, infant-feeding practices and cardiovascular functioning among 3 or 4 year old children in three ethnic groups

Janet Elaine Macheledt and **Sally W. Vernon** — 519 Diabetes and disability among Mexican Americans: the effect of different measures of diabetes on its association with disability

Molly T. Vogt, Sidney K. Wolfson and **Lewis H. Kuller** — 529 Lower extremity arterial disease and the aging process: a review

P. H. Verkerk and **S. E. Buitendijk** — 543 Non-differential underestimation may cause a threshold effect of exposure to appear as a dose–response relationship

Martin A. Weinstock — 547 Assessment of sun sensitivity by questionnaire: validity of items and formulation of a prediction rule

Scott Kinlay, Dianne O'Connell, David Evans and **Lynn Francis** — 553 The validity of estimating heart disease reduction from a Framingham logistic equation

Second Thoughts

E. Ernst — 561 Fibrinogen: the plot thickens

Letters to the Editors

Janet M. Lang — 563 No free lunch

Paul Knipschild, Pieter Leffers and **Alvan R. Feinstein** — 564 Response: Value for the money

Number 6

Original Articles

Joann G. Elmore and **Alvan R. Feinstein** — 567 A bibliography of publications on observer variability (final installment)

Bernard C. K. Choi — 581 Sensitivity and specificity of a single diagnostic test in the presence of work-up bias

Peter C. Gøtzsche, Jan Pødenphant, Merete Olesen and **Poul Halberg** — 587 Meta-analysis of second-line antirheumatic drugs: sample size bias and uncertain benefit

Tamara Harris, Jacob J. Feldman, Joel C. Kleinman*, Walter H. Ettinger Jr, Diane M. Makuc and **Arthur G. Schatzkin** — 595 The low cholesterol–mortality association in a national cohort

R. M. Tamblyn, R. I. Menzies, R. T. Tamblyn, J. P. Farant and **J. Hanley** — 603 The feasibility of using a double blind experimental cross-over design to study interventions for sick building syndrome

Richard A. Deyo, Daniel C. Cherkin and **Marcia A. Ciol** — 613 Adapting a clinical comorbidity index for use with ICD-9-CM administrative databases

Robert L. Jayes Jr, Joni R. Beshansky, Ralph B. D'Agostino and **Harry P. Selker** — 621 Do patients' coronary risk factor reports predict acute cardiac ischemia in the emergency department? A multicenter study

Karen Ritchie and **Rebecca Fuhrer** — 627 A comparative study of the performance of screening tests for senile dementia using Receiver Operating Characteristics analysis

Michael S. Kramer and **David A. Lane** — 639 Causal propositions in clinical research and practice

J. H. Abramson, Michal Ritter, J. Gofin and **J. D. Kark** — 651 A simplified index of physical health for use in epidemiological studies

Thomas M. Vogt, John P. Mullooly, Denise Ernst, Clyde R. Pope and **Jack F. Hollis** — 659 Social networks as predictors of ischemic heart disease, cancer, stroke and hypertension: incidence, survival and mortality

Hirotsugu Ueshima, Hideki Ozawa, Shunroku Baba, Yasuo Nakamoto, Teruo Omae, Takashi Shimamoto and **Yoshio Komachi** — 667 Alcohol drinking and high blood pressure: data from a 1980 national cardiovascular survey of Japan

Second Thoughts

Burton V. Reifler — 675 Reflections of a 16th year clinical scholar

Letters to the Editors

Andrew N. Phillips and **George Davey Smith** — 681 Collinearity and imprecision in dietary measurement

Ken R. Smith — 682 Response

PHARMACOEPIDEMIOLOGY REPORT

Bruce M. Psaty, Marshall Lee, Peter J. Savage, Gale H. Rutan, Pearl S. German, Mary Lyles (for the Cardiovascular Health Study Collaborative Research Group) — 683 Assessing the use of medications in the elderly: methods and initial experience in the Cardiovascular Health Study

Number 7

Original Articles

Berit Lilienthal Heitmann — 693 The effects of gender and age on associations between blood lipid levels and obesity in Danish men and women aged 35–65 years

Wayne A. Ray, Marie R. Griffin, Randy L. Fought and **Margaret L. Adams** — 703 Identification of fractures from computerized Medicare files

Carol Ewing Garber, Richard A. Carleton and **Gary V. Heller** — 715 Comparison of "Rose Questionnaire Angina" to exercise thallium scintigraphy: different findings in males and females

Ruth Ottman and **Mervyn Susser** — 721 Data collection strategies in genetic epidemiology: the Epilepsy Family Study of Columbia University

Antoni S. H. Basinski and **C. David Naylor** — 729 Further thoughts on the importance of models in the assessment of clinical evidence

Kristian D. Lindsted, Jan W. Kuzma and **James L. Anderson** — 733 Coffee consumption and cause-specific mortality. Association with age at death and compression of mortality

Mirjam A. G. Sprangers and **Neil K. Aaronson** — 743 The role of health care providers and significant others in evaluating the quality of life of patients with chronic disease: a review

Donna Kritz-Silverstein, Elizabeth Barrett-Connor and **Deborah L. Wingard** — 761 The relationship between multiparity and lipoprotein levels in older women

Dean Follmann, Paul Elliott, Il Suh and **Jeffrey Cutler** — 769 Variance imputation for overviews of clinical trials with continuous response

Kimmo Pahkala, Sirkka-Liisa Kivelä and **Pekka Laippala** — 775 Social and environmental factors and dysthymic disorder in old age

Henrica C. W. de Vet, Paul G. Knipschild, Hubert J. A. Schouten, Johan Koudstaal, Wie-sien Kwee, Dirk Willebrand, Ferd Sturmans and **Jan Willem Arends** — 785 Sources of interobserver variation in histopathological grading of cervical dysplasia

M. I. Dorevitch, R. M. Cossar, F. J. Bailey, T. Bisset, S. J. Lewis, L. A. Wise and **W. J. MacLennan** — 791 The accuracy of self and informant ratings of physical functional capacity in the elderly

Second Thoughts

James Rachels — 799 When philosophers shoot from the hip

Richard V. Lee — 803 Abstract expression

Letters to the Editors

F. de Waard — 807 Body mass and breast cancer

Susan Y. Chu — 807 Response

Number 8

Variance and Dissent

Nathan Mantel — 809 Presentation: Dubious evidence of heart and cancer deaths due to passive smoking

Stanton A. Glantz and **William W. Parmley** — 815 Dissent: Passive smoking causes heart disease and lung cancer

Original Articles

P.-O. Haraldsson, C. Carenfelt and **C. Tingvall** — 821 Sleep apnea syndrome symptoms and automobile driving in a general population

Nereo Segnan, Massimo Bugiani, Guglielmo Ronco, Alberto Andrion, Aurelia Carosso, Gianni Forconi, Giuseppe Giaccone, Ugo Pastorino and **Aurelio Temporelli** — 827 The differential diagnosis of primary lung cancer: inter-observer agreement and contribution of specific diagnostic procedures

Olga Vaccaro, Giuseppina Imperatore, Assiamira Ferrara, Raffaele Palombino and **Gabriele Riccardi** — 835 Epidemiology of diabetes mellitus in southern Italy: a case-finding method based on drug prescriptions

INCLEN Multicentre Collaborative Group — 841 Risk factors for cardiovascular disease in the Developing World. A multicentre collaborative study in the International Clinical Epidemiology Network (INCLEN)

The West of Scotland Coronary Prevention Study Group — 849 A coronary primary prevention study of Scottish men aged 45–64 years: trial design

Margareta Grafström, Laura Fratiglioni, P-O. Sandman and **Bengt Winblad** — 861 Health and social consequences for relatives of demented and non-demented elderly. A population-based study

Hasan A. Majeed, Sudhair Batnager, Abdul Mohsen Yousof, Faisal Khuffash and **Abdul Razzak Yusuf** ✠ — 871 Acute rheumatic fever and the evolution of rheumatic heart disease: a prospective 12 year follow-up report

B. Cartmel and **T. E. Moon** 877 Comparison of two physical activity questionnaires, with a diary, for assessing physical activity in an elderly population

David T. Felson 885 Bias in meta-analytic research

M. Stewart West, Doris Wethers, Jeanne Smith, Martin Steinberg and **The Cooperative Study of Sickle Cell Disease** 893 Laboratory profile of sickle cell disease: a cross-sectional analysis

J. Shuster, A. Jenkins, C. Logan, T. Barnett, R. Riehle, D. Zackson, H. Wolfe, R. Dale, M. Daley, I. Malik and **S. Schnarch** 911 Soft drink consumption and urinary stone recurrence: a randomized prevention trial

Lauri Virta, Tapani Rönnemaa, Kalevi Österman, Teuvo Aalto and **Markku Laakso** 917 Prevalence of isthmic lumbar spondylolisthesis in middle-aged subjects from eastern and western Finland

Second Thoughts

J. P. Vandenbroucke 923 Colon cancer and ulcerative colitis: an epidemiologic exercise revisited

Letters to the Editors

Claude Lenfant and **T. Frank Williams** 925 "Prudence" and "evidence" in disease prevention

Jack Froom and **Paul Froom** 926 Response

Number 9

Original Articles

Bernard Burnand and **Alvan R. Feinstein** 929 The role of diagnostic inconsistency in changing rates of occurrence for coronary heart disease

Lesley F. Degner and **Jeffrey A. Sloan** 941 Decision making during serious illness: what role do patients really want to play?

Michael D. Attfield 951 Some observations on the variation in height coefficients in prediction equations for forced vital capacity

Dawn K. Wilson, Lisa M. Klesges, Robert C. Klesges, Linda H. Eck, Catherine A. Hackett-Renner, Bruce S. Alpert and **Edith T. Dalton** 959 A prospective study of familial aggregation of blood pressure in young children

Joel L. Weissfeld and **James J. Holloway** 971 Precision of blood cholesterol measurement and high blood cholesterol case-finding and treatment

Michael D. Hughes and **Stuart J. Pocock** 985 Within-subject diastolic blood pressure variability: implications for risk assessment and screening

William M. Vollmer, A. Sonia Buist and **Molly L. Osborne** 999 Twenty year trends in hospital discharges for asthma among members of a health maintenance organization

Jack E. Riggs and **Sydney S. Schochet Jr** 1007 Rising mortality due to Parkinson's disease and amyotrophic lateral sclerosis: a manifestation of the competitive nature of human mortality

C. Mary Beard, John W. Yunginger, Charles E. Reed, Edward J. O'Connell and **Marc D. Silverstein** 1013 Interobserver variability in medical record review: an epidemiological study of asthma

Anders Mellemgaard, Henrik Møller, Ole Møller Jensen, Poul Halberg and **Jørgen H. Olsen** 1021 Risk of kidney cancer in analgesics users

Carlo La Vecchia, Eva Negri, Silvia Franceschi, Fabio Parazzini, Antonella Gentile and **Monica Fasoli** 1025 Alcohol and epithelial ovarian cancer

Letters to the Editors

Bjarne K. Jacobsen, Gunnar Kvåle and **Ivar Heuch** 1031 Coffee drinking and the risk of adenomatous polyps

Suminori Kono, Koichi Shinchi and **Koji Imanishi** 1031 Response

Noble O. Fowler 1032 Smoking and coronary disease in women

Carl C. Seltzer 1033 Response

Comment to the Editors

Jacques Jamart 1035 Chance-corrected sensitivity and specificity for three-zone diagnostic tests

David L. Simel, David B. Matchar and **John R. Feussner** 1038 Response

Alvan R. Feinstein 1039 Response

PHARMACOEPIDEMIOLOGY REPORT

Sherine E. Gabriel and **Richard A. Fehring** 1041 Trends in the utilization of non-steroidal anti-inflammatory drugs in the United States, 1986–1990

Number 10

Original Articles

Joseph T. Hanlon, Kenneth E. Schmader, Gregory P. Samsa, Morris Weinberger, Kay M. Uttech, Ingrid K. Lewis, Harvey Jay Cohen and **John R. Feussner** 1045 A method for assessing drug therapy appropriateness

Steven J. Jacobsen, David S. Freedman, Raymond G. Hoffmann, Harvey W. Gruchow, Alfred J. Anderson and **Joseph J. Barboriak** 1053 Cholesterol and coronary artery disease: age as an effect modifier

V. Burke, L. J. Beilin, R. German, S. Grosskopf, J. Ritchie, I. B. Puddey and **P. Rogers** 1061 Association of lifestyle and personality characteristics with blood pressure and hypertension: a cross-sectional study in the elderly

Ronnie D. Horner and **Gregory Samsa** 1071 Criteria for the use of Sartwell's incubation period model to study chronic diseases with uncertain etiology

Markku Nurminen 1081 Assessment of excess risks in case–base studies

Robert A. Steer, Theresa O. Scholl, Mary L. Hediger and **Richard L. Fischer** 1093 Self-reported depression and negative pregnancy outcomes

G. C. Leng and **F. G. R. Fowkes** 1101 The Edinburgh Claudication Questionnaire: an improved version of the WHO/Rose Questionnaire for use in epidemiological surveys

Ann L. Coker, Margaret F. McCann, Barbara S. Hulka and **Leslie A. Walton** 1111 Oral contraceptive use and cervical intraepithelial neoplasia

Rebecca G. Knapp, Susan E. Sutherland, Julian E. Keil, Philip F. Rust and **Daniel T. Lackland** 1119 A comparison of the effects of cholesterol on CHD mortality in black and white women: twenty-eight years of follow-up in the Charleston Heart Study

Alan B. Cantor 1131 Sample size calculations for the log rank test: a Gompertz model approach

James R. Jauchem 1137 Epidemiologic studies of electric and magnetic fields and cancer: a case study of distortions by the media

J. André Knottnerus and **Pieter Leffers** 1143 The influence of referral patterns on the characteristics of diagnostic tests

Elisheva Simchen, Yohanan Wax, Noya Galai and **Avi Israeli** 1155 Discharge from hospital and its effect on surgical wound infections. The Israeli Study of Surgical Infections (ISSI)

Satoru Matsushita, Kouichi Hagiwara, Takahiro Shiota, Hiroyuki Shimada, Kizuku Kuramoto and **Yasuo Toyokura** 1165 Lifetime data analysis of disease and aging by the Weibull probability distribution

PHARMACOEPIDEMIOLOGY REPORT

Bruno H. Ch. Stricker and **Jan G. P. Tijssen** 1177 Serum sickness-like reactions to cefaclor

Number 11

Original Articles

James F. Jekel 1185 "Rainbow Reviews" V: recent publications of the National Center for Health Statistics

Deborah L. Fulton-Kehoe, Robert H. Eckel, Susan M. Shetterly and **Richard F. Hamman** 1191 Determinants of total high density lipoprotein cholesterol and high density lipoprotein subfraction levels among Hispanic and non-Hispanic white persons with normal glucose tolerance: the San Luis Valley Diabetes Study

James G. Wright and **Alvan R. Feinstein** 1201 A comparative contrast of clinimetric and psychometric methods for constructing indexes and rating scales

Fulin Wang, Karen M. Semchuk and **Edgar J. Love** 1219 An assessment of the usefulness of demographic data provided by surrogate respondents in a case–control study of Parkinson's disease

Ineke Blaauw, Liesel Nohlmans, Ton van den Bogaard and **Sjef van der Linden** 1229 Diagnostic tools in Lyme borreliosis: clinical history compared with serology

Steven S. Coughlin, Linda W. Pickle, Marc T. Goodman and **Lynne R. Wilkens** 1237 The logistic modeling of interobserver agreement

Ilene C. Siegler, Bercedis L. Peterson, John C. Barefoot, Sue H. Harvin, W. Grant Dahlstrom, Berton H. Kaplan, Paul T. Costa Jr and **Redford B. Williams Jr** 1243 Using college alumni populations in epidemiologic research: the UNC Alumni Heart Study

P. P. Glasziou 1251 Meta-analysis adjusting for compliance: the example of screening for breast cancer

Sheila Williams, Ian M. St George and **Phil A. Silva** 1257 Intrauterine growth retardation and blood pressure at age seven and eighteen

Robert M. Jacobson and **Alvan R. Feinstein** 1265 Oxygen as a cause of blindness in premature infants: "autopsy" of a decade of errors in clinical epidemiologic research

Henrik Toft Sørensen, Jens Møller-Petersen, Henrik Bygum Krarup, Helena Pedersen, Helle Hansen and **Henrik Hamburger** 1289 Diagnostic problems with meningococcal disease in general practice

Barbara J. Burkett, Christine M. Peterson, Linda M. Birch, Constance Brennan, Margaret L. Nuckols, Brian E. Ward and **Christopher P. Crum** 1295 The relationship between contraceptives, sexual practices, and cervical human papillomavirus infection among a college population

George R. Parkerson Jr, W. Eugene Broadhead and **Chiu-Kit J. Tse** 1303 Quality of life and functional health of primary care patients

Kirsten Schultz-Larsen, Kirsten Avlund and **Svend Kreiner** 1315 Functional ability of community dwelling elderly. Criterion-related validity of a new measure of functional ability

Edith J. M. Feskens and **Daan Kromhout** 1327 Glucose tolerance and the risk of cardiovascular diseases: the Zutphen Study

Letters to the Editors

Les Irwig 1335 Modelling result-specific likelihood ratios

Linda W. Pickle and **Steven S. Coughlin** 1336 Response

George A. Diamond 1338 Response: Pros and cons of result-specific likelihood ratios

Stephen Senn	1338	The ignoble lie
Alvan R. Feinstein	1340	Response

Number 12

Variance and Dissent

Gordon H. Guyatt, Bram Kirshner and **Roman Jaeschke**	1341	Presentation: Measuring health status: what are the necessary measurement properties?
J. Ivan Williams and **C. David Naylor**	1347	Dissent: How should health status measures be assessed? Cautionary notes on procrustean frameworks
Gordon H. Guyatt, Bram Kirshner and **Roman Jaeschke**	1353	Response: A methodologic framework for health status measures: clarity or oversimplification?

Commentary

Allan Sniderman, Caroline Michel and **Normand Racine**	1357	Heart disease in patients with diabetes mellitus

Original Articles

Judith A. Hahn and **Jane Schulman**	1371	Cost efficient sampling design for quality control of a birth defects registry
Lise Kay, Torben Jørgensen and **Kirsten Schultz-Larsen**	1377	Abdominal pain in a 70-year-old Danish population. An epidemiological study of the prevalence and importance of abdominal pain
K. Zeiler, P. Siostrzonek, W. Lang, H. Gössinger, W. Oder, H. Ciciyasvilli, H. Kollegger, H. Mösslacher and **L. Deecke**	1383	Different risk factor profiles in young and elderly stroke patients with special reference to cardiac disorders
Karen Ritchie and **Jacques Touchon**	1391	Heterogeneity in senile dementia of the Alzheimer type: individual differences, progressive deterioration or clinical sub-types?
Robin Weir, Gina Bohn Browne, Eldon Tunks, Amiram Gafni and **Jackie Roberts**	1399	A profile of users of specialty pain clinic services: predictors of use and cost estimates
Ikuko Kato, Abraham Nomura, Grant N. Stemmermann and **Po-Huang Chyou**	1417	Determinants of sex hormone levels in men as useful indices in hormone-related disorders
Hans W. Hense, Angela Döring, Jutta Stieber and **Ulrich Keil**	1423	The association of antihypertensive treatment patterns and adverse lipid effects in population-based studies
Robert S. Epstein, Patricia A. Deverka, Christopher G. Chute, Laurel Panser, Joseph E. Oesterling, Michael M. Lieber, Skai Schwartz and **Donald Patrick**	1431	Validation of a new quality of life questionnaire for benign prostatic hyperplasia

Second Thoughts

Rodger Charlton	1447	Palliative care in non-cancer patients and the neglected caregiver

Letters to the Editors

Steven S. Coughlin	1451	Estimating the benefits of cholesterol lowering: are risk factors for coronary heart disease multiplicative?
Ted Byrt	1452	Problems with kappa
Alvan R. Feinstein and **Domenic V. Cicchetti**	1452	Response
Book Review	1453	

Reproduced with the permission of Pergamon Press Inc., by University Microfilms Inc. Duplication or resale without permission is prohibited.